

COC# 74

11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132  
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## CHAIN OF CUSTODY REPORT

**Work Order #:** M106030

CLIENT: BRISTOL		INVOICE TO: BRISTOL		TURNAROUND REQUEST in Business Days*									
REPORT TO: ANNE KRANAWETTER				Organic & Inorganic Analyses									
ADDRESS: AMCHITKA ISLAND, AK				10	7	5	4	3	2	1	<1		
PHONE: 907-770-0974 FAX: 770-0975		P.O. NUMBER: 21090		STD. Petroleum Hydrocarbon Analyses									
PROJECT NAME: AMCHITKA		REQUESTED ANALYSES		5	4	3	2	1	<1	STD. Please Specify			
PROJECT NUMBER: 21090				OTHER									
SAMPLED BY: ARK				*Turnaround Requests less than standard may incur Rush Charges.									
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	HCID								MATRIX (W, S, O)	# OF CONT.	COMMENTS	NCA WO ID
1. 01AMA104SL	6/11/01 1115	✓								S	1		
2. 01AMA105SL	6/11/01 1120	✓								S	1		
3. 01AMA106SL	6/11/01 1125	✓								S	1		
4. AK 11/01													
5.													
6.													
7.													
8.													
9.													
10.													
11.													
12.													
13.													
14.													
15.													
RELINQUISHED BY: Anne Kranawetter		DATE: 6/11/01		RECEIVED BY: Craig Bradlee		DATE: 6/11/01							
PRINT NAME: Anne Kranawetter		FIRM: BRISTOL		PRINT NAME: Craig Bradlee		FIRM: NCA							
RELINQUISHED BY:		DATE:		RECEIVED BY:		DATE:							
PRINT NAME:		FIRM:		PRINT NAME:		FIRM:							
ADDITIONAL REMARKS:		TEMP: 3.9°		PAGE 11		OF 11							



**Seattle** 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223  
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**Bend** 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

6 December, 2001

Anne Kranawetter  
Bristol Environmental & Engineering  
2000 W International Airport C#1  
Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 06/11/01 13:03. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson  
Environmental Group Leader

Work Orders included in this report:

**M106030**



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Bristol Environmental & Engineering  
2000 W International Airport C#1  
Anchorage, AK 99502-1116

Project: Amchitka  
Project Number: 21090  
Project Manager: Anne Kranawetter

**Reported:**  
11/02/01 09:21

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMA1T04SL	M106030-01	Soil	06/11/01 11:15	06/11/01 13:03
01AMA1T05SL	M106030-02	Soil	06/11/01 11:20	06/11/01 13:03
01AMA1T06SL	M106030-03	Soil	06/11/01 11:25	06/11/01 13:03

COC # 74

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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**North Creek Analytical, Inc.**  
**Environmental Laboratory Network**

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**Reported:**  
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### Hydrocarbon Identification per NW-TPH Methodology North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>01AMA1T04SL (M106030-01) Soil</b>					Sampled: 06/11/01 Received: 06/11/01				
Gasoline Range Hydrocarbons	ND	10.1	mg/kg	1	NWTPH HCID	06/11/01	06/11/01	0106033	
Diesel Range Hydrocarbons	ND	25.2	"	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	ND	50.3	"	"	"	"	"	"	
<i>Surr: 1-Chlorooctadecane</i>	<i>111 %</i>	<i>50-150</i>							
<b>01AMA1T05SL (M106030-02) Soil</b>					Sampled: 06/11/01 Received: 06/11/01				
Gasoline Range Hydrocarbons	ND	9.77	mg/kg	1	NWTPH HCID	06/11/01	06/11/01	0106033	
<b>Diesel Range Hydrocarbons</b>	<b>38.9</b>	24.4	"	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	ND	48.8	"	"	"	"	"	"	
<i>Surr: 1-Chlorooctadecane</i>	<i>108 %</i>	<i>50-150</i>							
<b>01AMA1T06SL (M106030-03) Soil</b>					Sampled: 06/11/01 Received: 06/11/01				
Gasoline Range Hydrocarbons	ND	9.84	mg/kg	1	NWTPH HCID	06/11/01	06/11/01	0106033	
<b>Diesel Range Hydrocarbons</b>	<b>103</b>	24.6	"	"	"	"	"	"	
<b>Heavy Oil Range Hydrocarbons</b>	<b>214</b>	49.2	"	"	"	"	"	"	
<i>Surr: 1-Chlorooctadecane</i>	<i>123 %</i>	<i>50-150</i>							

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Project Manager: Anne Kranawetter

**Reported:**  
11/02/01 09:21

### Hydrocarbon Identification per NW-TPH Methodology - Quality Control

#### North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 0106033 - TPH-HCID (WA)

##### Blank (0106033-BLK1)

Prepared & Analyzed: 06/11/01

Gasoline Range Hydrocarbons	ND	10.0	mg/kg
Diesel Range Hydrocarbons	ND	25.0	"
Heavy Oil Range Hydrocarbons	ND	50.0	"

<i>Surr: 1-Chlorooctadecane</i>	<i>11.0</i>		<i>"</i>	<i>10.0</i>	<i>110</i>	<i>50-150</i>
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### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.  
wet Sample results reported on a wet weight basis (as received)  
RPD Relative Percent Difference

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### Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Report recreated from: \\sisters\elmnt\Report\M106030 FINAL 11 02 01 0921.mdb Default Report (not modified)